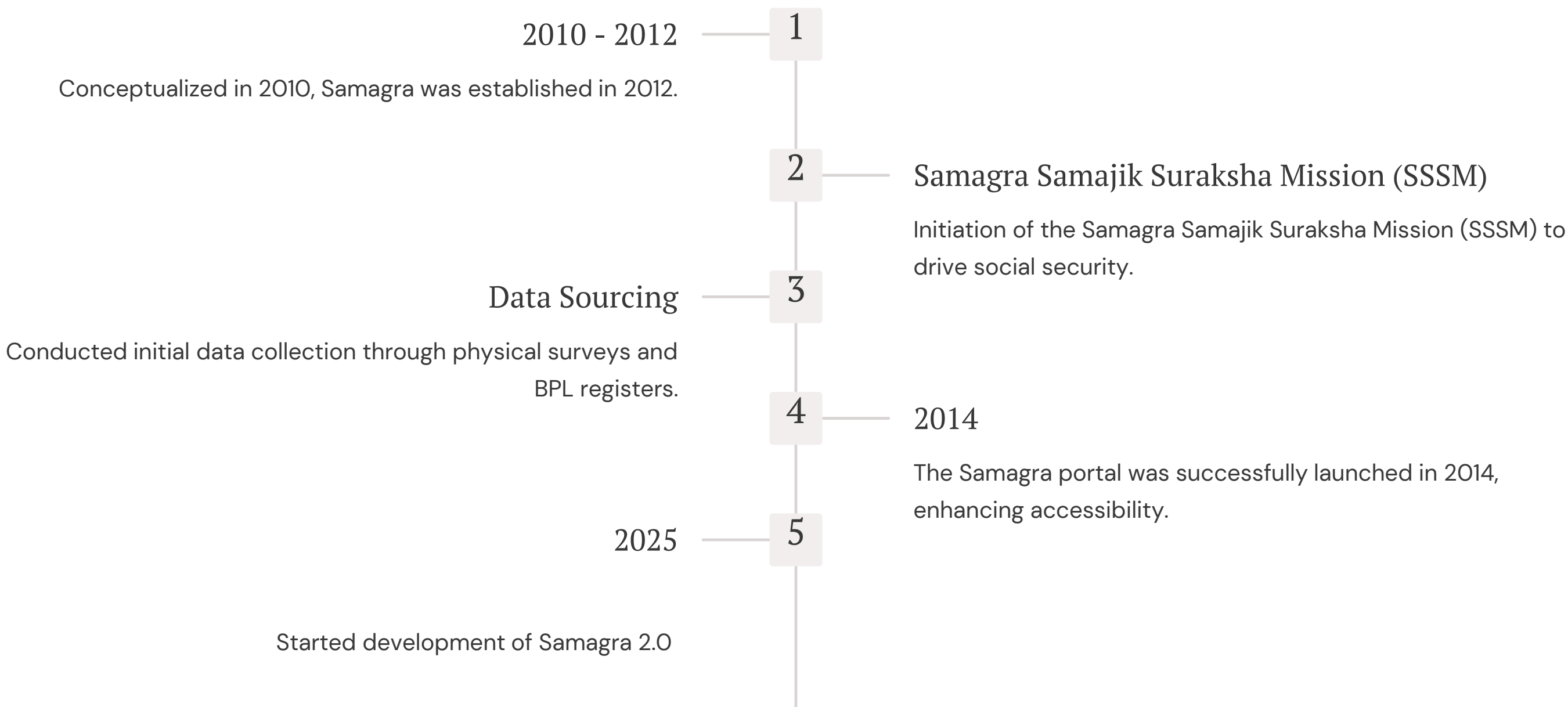




Presenter: Harshvardhan  
Chandravanshi

# Samagra origins



# What is Samagra?

Samagra is a robust system designed to manage and categorize family and individual data, ensuring unique identification and reliable verification across various geographical divisions.

## Family Information Data Repository

A central repository with a unique identifier for each family and its members.

## Unique IDs

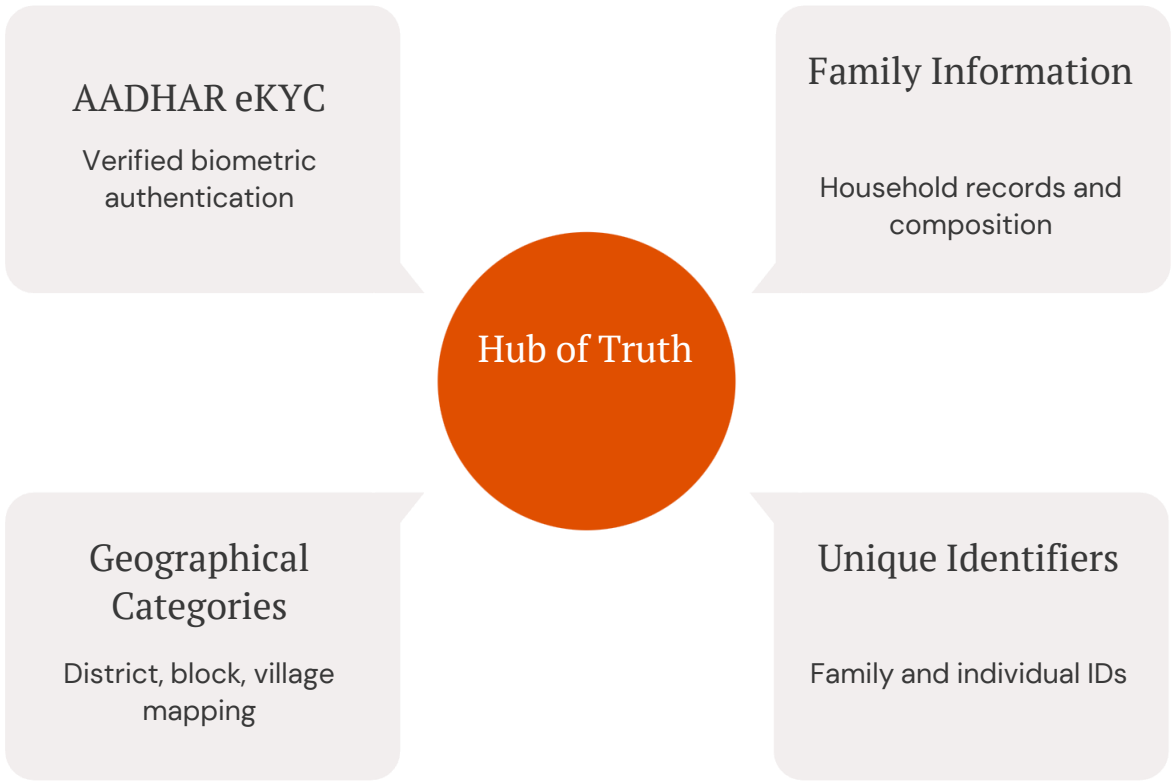
Family ID – 8 digits, Member ID – 9 digits for precise identification.

## Geographical Categorization

In rural areas: Gram panchayats and villages. In urban areas: Local bodies and wards.

## Single Source of Truth

An AADHAR eKYC verified database ensures accuracy and reliability.

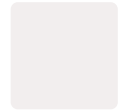


This comprehensive structure enables efficient tracking and management of social security programs across the state.

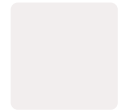
# Technology Stack

Component	Technology Stack
Front End	Angular
Backend	ASP.Net Core
Code Versioning Solution	Azure DevOps
Code Review/Audit	SonarQube
Web Server	IIS
Database	MS SQL 2022
Testing	Selenium + Apache JMeter + Mmeter
Continuous Integration & Delivery	Azure DevOps
Bugs/Issue Tracking	Promot

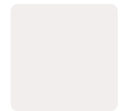
# Technical Skills Gained During Samagra 2.0



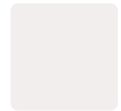
Developed and maintained web pages using Angular.



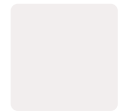
Built and consumed APIs with ASP.NET Core in a Microservices architecture



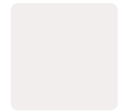
Managed code using Azure DevOps Repos.



Wrote and optimized SQL queries in MS SQL Server.



Tracked tasks, bugs, and sprints using Azure Boards/Promot.



Worked in an Agile development environment following Scrum practices

# My Contribution to Samagra 2.0



## New Family Registration Module

New Family Registration Module



## User Onboarding

User Onboarding of Collector, Local Body User, Zone user, Ward user and GP User



## Common Request Approval Module

Common Request Approval Module



## Angular Project Architecture Change

Angular Project Architecture Change



## JWT Implementation in UserManagement Microservice

JWT Implementation in UserManagement Microservice



## Logging in Common Utility Microservice

Logging in Common Utility

# Thank You!

## Questions & Discussion

Harshvardhan Chandravanshi

Email: [harshvardhanchandravanshi@gmail.com](mailto:harshvardhanchandravanshi@gmail.com)

LinkedIn: [linkedin.com/in/harshvardhan-chandravanshi](https://www.linkedin.com/in/harshvardhan-chandravanshi)

Website: [samagra.gov.in](http://samagra.gov.in)